



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/868,746	01/14/2002	Roger Brunig	11086/3	6525

7590 11/22/2004

Brinks Hofer Gilson & Lione  
P O Box 10395  
Chicago, IL 60610

EXAMINER

APPIAH, CHARLES NANA

ART UNIT	PAPER NUMBER
----------	--------------

2686

DATE MAILED: 11/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/868,746

Applicant(s)

BRUNIG ET AL.

Examiner

Charles Appiah

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 13-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-26 is/are rejected.
- 7) ☒ Claim(s) 27-29 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 6/20/01.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 13-26 are rejected under 35 U.S.C. 102(e) as being anticipated by

#### **Granberg (6,122,510).**

Regarding claims 13 and 20 Granberg discloses a network address register and a method in a telephone-switching network to route messages, comprising: (see Fig. 3), a database (HLR 42) comprising subscriber-specific data (data stored per subscriber), and network item addresses (network-specific service information stored per MSC), and a network address register that receives a network message (subscriber's HLR database record) and determines a network item address for the network message as a function of the subscriber-specific data in the message using the database (see col. 8, lines 23-43).

Regarding claim 14, Granberg's teaching using a GSM/CAMEL-based signaling model as an example of providing a network-specific short number voice mail access service (see col. 8, lines 44-46 and col. 6, lines 38-50), reads on the network address register being capable of being used in a Global System for Mobile Communications (GSM) network.

Regarding claim 15, Granberg further discloses wherein the subscriber-specific data comprises one or more elements selected from the group consisting of: mobile

Art Unit: 2686

station ISDN number, IMSI, and international mobile equipment identity (see col. 7, lines 39-54).

Regarding claims 16, Granberg further discloses wherein the network item comprises one or more elements selected from the group consisting of: a home location register, an authentication center, equipment identity register, service control point, and a voice mail service center (see col. 7, lines 55-67).

Regarding claim 17, Granberg further discloses wherein the network address register returns routing information to a network item that sent the network message (HLR sending the network-specific service information to the MSC/VLR where the subscriber is registering, col. 8, lines 40-43).

Regarding claim 18, Granberg's database as illustrated in Fig. 3 meets the database showing an association between the subscriber-specific data and network item addresses such that the network item addresses are independent of block numbering ranges.

Regarding claim 19, Granberg further discloses wherein the association between the subscriber-specific data and the network addresses is configurable (see col. 7, line 55 to col. 8, line 22).

Regarding claim 21, Granberg further discloses wherein the second network item replies directly to the first network item (HLR sending the network-specific service information to the MSC/VLR where the subscriber is registering, col. 8, lines 40-43).

Regarding claims 22 and 23, Granberg further discloses wherein the first network item comprises a mobile switching center (see col. 7, lines 55-67), the second network

Art Unit: 2686

item comprises a home location register (col. 8, lines 11-22), and the subscriber-specific data comprises an IMSI and a mobile station ISDN number (see col. 7, lines 39-54).

Regarding claim 24, Granberg further discloses transmitting the network address of the second network item to the first network item (see col. 8, lines 23-43).

Regarding claim 25, Granberg further discloses establishing an inherent traffic channel with the second network item, wherein the first network item comprises a mobile services switching center, the second network item comprises a voice mail service center and subscriber-specific data comprises a mobile station ISDN number (see col. 8, line 44 to col. 9, line 10, col. 7, lines 39-44).

Regarding claim 26, Granberg further discloses wherein the inherent traffic channel comprises a voice channel to a voice mailbox (see col. 9, lines 6-10).

---

### ***Allowable Subject Matter***

2. Claims 27-29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mills (5,881,235) discloses a system for remotely programming a mobile terminal with a home location register address.

Salin et al. (6,370,390) discloses a method for delivery of short messages in a packet radio network.

Art Unit: 2686


Coyne et al. (5,943,619) discloses a shared interworking of subscriber features within mobile telecommunications network.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Appiah whose telephone number is 703 305-4772. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 703 305-4379. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CA

  
CHARLES APPIAH  
PRIMARY EXAMINER